

ATTACHMENT A

Claims 1 - 28: (Cancelled)

29. (Currently Amended) A propylene copolymer composition comprising:

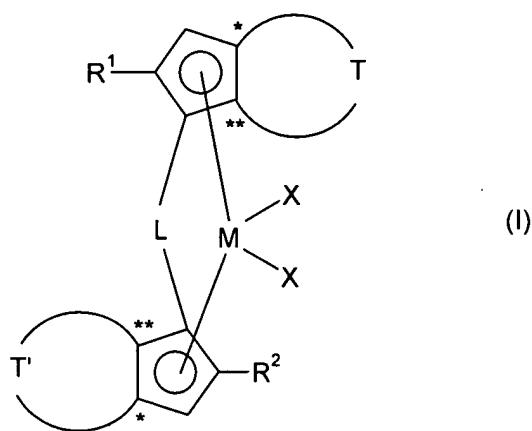
- A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and
- B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;
said propylene copolymer composition further comprising:
 - (i) a MFR (230°C/2.16 kg) from about 1 to about 20 g/10 min; [[and]]
 - (ii) a tensile E modulus according to ISO 527-2:1993 from about 400 to about 800 MPa; and
 - (iii) a molar mass distribution M_w/M_n ranging from 1.5 to 3.5.

30. (Previously Presented) The propylene copolymer composition as claimed in claim 29, further comprising a melting point from 143°C to 150°C.

31. (Previously Presented) The propylene copolymer composition as claimed in claim 29, further comprising a

haze according to ASTM D 1003 from 25% to 40% without adding clarifying agents.

32. (Previously Presented) The propylene copolymer composition as claimed in claim 29, produced using a catalyst system comprising at least one metallocene compound of formula (I),



wherein

M is zirconium, hafnium or titanium;
X are, identical or different and are independently of one another, hydrogen, halogen, -R, -OR, -OSO₂CF₃, -OCOR, -SR, -NR₂ or -PR₂, wherein R is a linear or branched C₁-C₂₀-alkyl or C₃-C₂₀-cycloalkyl, wherein the C₁-C₂₀ alkyl or C₃-C₂₀ cycloalkyl may be substituted by at least one C₁-C₁₀-alkyl radical, or R is a C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl or C₇-C₂₀-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond, or two X radicals may be joined to one another;

L is a divalent bridging group selected from the group consisting of a C₁-C₂₀-alkylidene radical, a C₃-C₂₀-cycloalkylidene radical, a C₆-C₂₀-arylidene radical, a C₇-C₂₀-alkylarylidene radical and a C₇-C₂₀-arylalkylidene radical, which may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or a silylidene group comprising up to 5 silicon atoms;

R¹ is a linear or branched C₁-C₂₀-alkyl or C₃-C₂₀-cycloalkyl, wherein the C₁-C₂₀ alkyl or C₃-C₂₀ cycloalkyl may be substituted by at least one C₁-C₁₀-alkyl radical, or R is a C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl or C₇-C₂₀-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond;

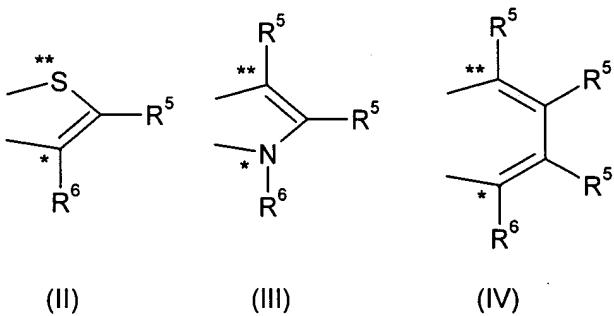
R² is -C(R³)₂R⁴;

R³ are, identical or different and are each independently of one another, a linear or branched C₁-C₂₀-alkyl or C₃-C₂₀-cycloalkyl, wherein the C₁-C₂₀ alkyl or C₃-C₂₀ cycloalkyl may be substituted by at least one C₁-C₁₀-alkyl radical, or R is a C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl or C₇-C₂₀-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond, or two R³ radicals may be joined to form a saturated or unsaturated C₃-C₂₀-ring;

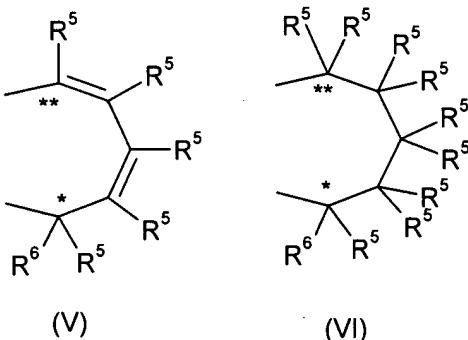
R⁴ is hydrogen or a linear or branched C₁-C₂₀-alkyl or C₃-C₂₀-cycloalkyl, wherein the C₁-C₂₀ alkyl or C₃-C₂₀ cycloalkyl may be substituted by at least

one C_1 - C_{10} -alkyl radical, or R is a C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl or C_7 - C_{20} -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond;

T and T' are divalent groups of formula (II), (III), (IV), (V) or (VI),



(II) (III) (IV)



(V) (VI)

wherein

the atoms denoted by the symbols * and ** are joined to the atoms of the metallocene compound of formula (I) which are denoted by the same symbol, and

R⁵ are, identical or different and are each independently of one another, hydrogen, halogen or a linear or branched C_1 - C_{20} -alkyl or C_3 - C_{20} -cycloalkyl, wherein the C_1 - C_{20} alkyl or C_3 - C_{20} cycloalkyl may be substituted by at least one C_1 -

C_{10} -alkyl radical, or R is a C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl or C_7 - C_{20} -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond;

R^6 are, identical or different and are each independently of one another, halogen or a linear or branched C_1 - C_{20} -alkyl or C_3 - C_{20} -cycloalkyl, wherein the C_1 - C_{20} alkyl or C_3 - C_{20} cycloalkyl may be substituted by at least one C_1 - C_{10} -alkyl radical, or R is a C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl or C_7 - C_{20} -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond.

33. (Previously Presented) The propylene copolymer composition as claimed in claim 32, wherein L is $-SiMe_2-$ or $-SiPh_2-$.

34. (Previously Presented) The propylene copolymer composition as claimed in claim 32, wherein R^1 is preferably a linear or branched C_1 - C_{10} -alkyl group which is unbranched in the α position.

35. (Previously Presented) The propylene copolymer composition as claimed in claim 34, wherein R^1 is a linear C_1 - C_4 -alkyl group.

36. (Previously Presented) The propylene copolymer composition as claimed in claim 35, wherein R¹ is methyl, ethyl, n-propyl or n-butyl.

37. (Previously Presented) The propylene copolymer composition as claimed in claim 29, wherein the alpha olefin is exclusively ethylene.

38. (Cancelled)

39. (Previously Presented) The propylene copolymer composition as claimed in claim 29, wherein the alpha olefin of B) is from about 7.01% to about 9.99% by weight.

40. (Previously Presented) The propylene copolymer composition as claimed in claim 29, wherein the alpha olefin of B) is from about 8.0% to about 9.6% by weight.

41. (Previously Presented) The propylene polymer composition as claimed in claim 29, wherein the MFR is from 6 to 12 g/10min.

42. (Previously Presented) The propylene polymer composition as claimed in claim 29, wherein the tensile E modulus is from 550 to 750 MPa

43. (Currently Amended) A process for producing at least one fiber, film or molding comprising:

A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to

10 carbon atoms, with the proviso that the alpha olefin is not propylene; and

B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; said propylene copolymer composition further comprising:

(i) a MFR (230°C/2.16 kg) from about 1 to about 20 g/10 min; [[and]]

(ii) a tensile E modulus according to ISO 527-2:1993 from about 400 to about 800 MPa; and

(iii) a molar mass distribution M_w/M_n ranging from 1.5 to 3.5;

wherein the process comprises extruding or injection-molding the fiber, film, or molding.

44. (Currently Amended) A film comprising a propylene copolymer composition comprising:

A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and

B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the

propylene copolymer composition further comprises a MFR from about 1 to about 20, [[and]] a tensile E modulus from about 400 to about 800 MPa, and a molar mass distribution M_w/M_n ranging from 1.5 to 3.5; and the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film.

45. (Previously Presented) The film according to claim 44 further comprising a melting point of between about 143°C to about 150°C.

46. (Previously Presented) The film according to claim 44, wherein the film has a haze less than about 5% for a 1 mil thick film.

47. (Previously Presented) The film according to claim 44, wherein the film has a dart impact greater than about 200 gm for a 1 mil thick film.

48. (Previously Presented) The film according to claim 44, wherein the tensile E modulus of the propylene copolymer composition is from about 550 to about 750 MPa.

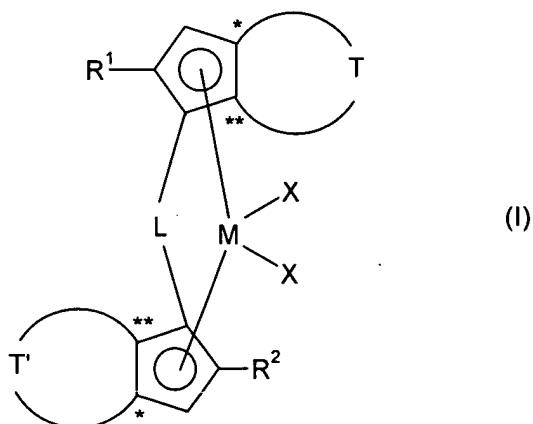
49. (Previously Presented) The film according to claim 44, wherein the film further comprises a WVTR greater than about 11.6 gm/m²-day.

50. (Previously Presented) The film according to claim 44, wherein the film further comprises a OTR greater than about 3875 gm/m²-day.

51. (Previously Presented) The film according to claim 44, wherein the film further comprises a CO₂TR greater than about 19,375 cc/m²-day.

52. (Previously Presented) The film according to claim 44, wherein the film further comprises a hexane extractables not greater than about 2.6%, and xylene solubles less than about 30%.

53. (Previously Presented) The film according to claim 44, wherein the metallocene compound is of formula (I):



wherein

M is zirconium, hafnium or titanium;
X are, identical or different and are independently of one another, hydrogen, halogen, -R, -OR, -OSO₂CF₃, -OCOR, -SR, -NR₂ or -PR₂, wherein R is a linear or branched C₁-C₂₀-alkyl or C₃-C₂₀-cycloalkyl, wherein the C₁-C₂₀ alkyl or C₃-C₂₀-cycloalkyl may be substituted by at least one C₁-C₁₀-alkyl radical, or R is a C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl or C₇-C₂₀-arylalkyl, wherein R may

comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond, or two X radicals may be joined to one another;

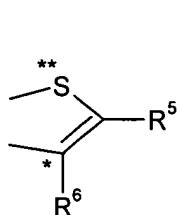
L is a divalent bridging group selected from the group consisting of a C₁-C₂₀-alkylidene radical, a C₃-C₂₀-cycloalkylidene radical, a C₆-C₂₀-arylidene radical, a C₇-C₂₀-alkylarylidene radical and a C₇-C₂₀-arylalkylidene radical, which may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or a silylidene group comprising up to 5 silicon atoms;

R¹ is a linear or branched C₁-C₂₀-alkyl or C₃-C₂₀-cycloalkyl, wherein the C₁-C₂₀ alkyl or C₃-C₂₀ cycloalkyl may be substituted by at least one C₁-C₁₀-alkyl radical, or R is a C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl or C₇-C₂₀-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond;

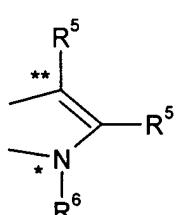
R² is -C(R³)₂R⁴;

R³ are, identical or different and are each independently of one another, a linear or branched C₁-C₂₀-alkyl or C₃-C₂₀-cycloalkyl, wherein the C₁-C₂₀ alkyl or C₃-C₂₀ cycloalkyl may be substituted by at least one C₁-C₁₀-alkyl radical, or R is a C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl or C₇-C₂₀-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one

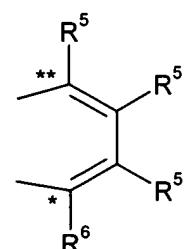
unsaturated bond, or two R^3 radicals may be joined to form a saturated or unsaturated C_3 - C_{20} -ring;
 R^4 is hydrogen or a linear or branched C_1 - C_{20} -alkyl or C_3 - C_{20} -cycloalkyl, wherein the C_1 - C_{20} alkyl or C_3 - C_{20} cycloalkyl may be substituted by at least one C_1 - C_{10} -alkyl radical, or R is a C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl or C_7 - C_{20} -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond;
 T and T' are divalent groups of formula (II), (III), (IV), (V) or (VI),



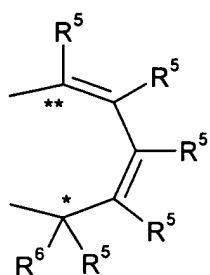
(II)



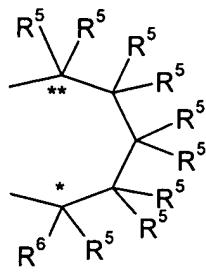
(III)



(IV)



(V)



(VI)

wherein

the atoms denoted by the symbols * and ** are joined to the atoms of the metallocene compound of formula (I) which are denoted by the same symbol, and

R^5 are, identical or different and are each independently of one another, hydrogen, halogen or a linear or branched C_1 - C_{20} -alkyl or C_3 - C_{20} -cycloalkyl, wherein the C_1 - C_{20} alkyl or C_3 - C_{20} cycloalkyl may be substituted by at least one C_1 - C_{10} -alkyl radical, or R is a C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl or C_7 - C_{20} -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond;

R^6 are, identical or different and are each independently of one another, halogen or a linear or branched C_1 - C_{20} -alkyl or C_3 - C_{20} -cycloalkyl, wherein the C_1 - C_{20} alkyl or C_3 - C_{20} cycloalkyl may be substituted by at least one C_1 - C_{10} -alkyl radical, or R is a C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl or C_7 - C_{20} -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond.

54. (Previously Presented) The propylene copolymer composition as claimed in claim 53, wherein L is $-SiMe_2-$ or $-SiPh_2-$.

55. (Previously Presented) The propylene copolymer composition as claimed in claim 53, wherein R^1 is preferably a linear or branched C_1 - C_{10} -alkyl group which is unbranched in the α position.

56. (Previously Presented) The propylene copolymer composition as claimed in claim 55, wherein R¹ is a linear C₁-C₄-alkyl group.

57. (Previously Presented) The propylene copolymer composition as claimed in claim 56, wherein R¹ is methyl, ethyl, n-propyl or n-butyl.

58. (Previously Presented) The film according to claim 44, wherein the MFR is from about 6 to about 12.

59. (Currently Amended) An article comprising at least one layer of a film comprising a propylene copolymer composition comprising:

- A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and
- B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the propylene copolymer composition further comprises a MFR from about 1 to about 20, [[and]] a tensile E modulus from about 400 to about 800 MPa, and a molar mass distribution M_w/M_n ranging from 1.5 to 3.5; and

the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film.

60. (Currently Amended) A laminate comprising at least one layer of a polyolefin film and at least one layer of a film comprising a propylene copolymer composition comprising:

- A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and
- B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the propylene copolymer composition further comprises a MFR from about 1 to about 20, [[and]] a tensile E modulus from about 400 to about 800 MPa, and a molar mass distribution M_w/M_n ranging from 1.5 to 3.5; and the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film.

61. (Currently Amended) A coated article comprising a substrate and a film comprising a propylene copolymer composition comprising:

A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and

B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the propylene copolymer composition further comprises a MFR from about 1 to about 20, [[and]] a tensile E modulus from about 400 to about 800 MPa, and a molar mass distribution M_w/M_n ranging from 1.5 to 3.5; and

the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film, wherein the film has been coated onto the substrate.

62. (Currently Amended) A co-extruded, multilayer film comprising at least one layer of a film comprising a propylene copolymer composition comprising:

A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and

B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0

% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the propylene copolymer composition further comprises a MFR from about 1 to about 20, [[and]] a tensile E modulus from about 400 to about 800 MPa, and a molar mass distribution M_w/M_n ranging from 1.5 to 3.5; and the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film.

63. (Previously Presented) The process of claim 43, wherein the molding is a large hollow body.

64. (New) The propylene copolymer composition of claim 29, wherein the propylene copolymer A) ranges from 60 to 75% by weight.

65. (New) The propylene copolymer composition of claim 29, wherein the propylene copolymer A) ranges from 65 to 72% by weight.

66. (New) The propylene copolymer composition of claim 29, wherein the propylene copolymer B) ranges from 25 to 40% by weight.

67. (New) The propylene copolymer composition of claim 29, wherein the propylene copolymer B) ranges from 28 to 35% by weight.

68. (New) The propylene copolymer composition of claim 29, wherein the tensile E modulus ranges from about 600 MPa to about 700 MPa.

69. (New) The propylene copolymer composition of claim 29, wherein the molar mass distribution M_w/M_n ranges from 2 to 2.5.

70. (New) The propylene copolymer composition of claim 29, wherein the molar mass distribution M_w/M_n ranges from 2 to 2.4.